Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (previously amended) An image detector, comprising:

a conductive object detection pattern, wherein the conductive object detection pattern has a plurality of electrodes, the plurality of electrodes being alternately disposed;

a light source for illuminating an object on the conductive object detection pattern;

a sensor for sensing an image of the object;

a power source selectively supplying power to the light source; and

a controller detecting a current flowing through the conductive object detection pattern, and in response thereto supplying a control signal to the power source to selectively supply power to the light source.

2. (currently amended) The image detector of claim 1 wherein the ~~conductive object detection pattern comprises~~ plurality of electrodes includes spaced apart first and second electrodes.

3. (original) The image detector of claim 2 wherein the controller transmits a first electrical signal to the first electrode and receives a second electrical signal from the second electrode and detects a conductivity between the first and second electrodes.

4. (original) The image detector of claim 1 wherein the conductive object detection pattern is made of a material selected from a group consisting of indium tin oxide, tin oxide and TiOx.

5. (currently amended) The image detector of claim 1 wherein ~~conductive object detection pattern comprises~~ plurality of electrodes includes spaced apart first and second electrodes, each of the first and second electrodes having a finger-shaped pattern, fingers of the first and second electrodes being alternately disposed.

6. (currently amended) The image detector of claim 1 wherein ~~conductive object detection pattern comprises~~ plurality of electrodes includes spaced apart first and second electrodes, the first and second electrodes being in parallel and having a P-shaped pattern.

7. (currently amended) The image detector of claim 1 wherein the ~~conductive object detection pattern comprises~~ plurality of electrodes includes spaced apart first and second electrodes, the first electrode having a P-shaped pattern and the second electrode being disposed adjacent the first electrode.

8. (currently amended) The image detector of claim 1 wherein the ~~conductive object detection pattern comprises~~ plurality of electrodes includes a triangle-shaped pattern, a part of said triangle-shaped pattern being cut so as to form first and second electrodes.

9. (currently amended) The image detector of claim 1 wherein the ~~conductive object detection pattern comprises~~ plurality of electrodes includes spaced apart first and second electrodes, the first and second electrodes being disposed in parallel so as to form a rail-shaped pattern.

10. (currently amended) The image detector of claim 1 wherein the ~~conductive object detection pattern comprises~~ plurality of electrodes includes spaced apart first and second electrodes, the first electrode having a U-shaped pattern and the second electrode having an I-shaped pattern.

11. (currently amended) The image detector of claim 1 wherein the ~~conductive object detection pattern comprises~~ plurality of electrodes includes spaced apart first and second electrodes, the first and second each having a coil-shape pattern.

12. (currently amended) The image detector of claim 1 wherein the ~~conductive object detection pattern comprises~~ plurality of electrodes includes spaced apart first and second electrodes, the first electrode having spiral-shaped pattern and the second electrode being disposed adjacent to the first electrode.

13. (original) The image detector of claim 1 wherein the controller supplies the control signal to the power source to supply power to the light source in response to a living object residing on the conductive object detection pattern.

14. (original) The image detector of claim 1, wherein the controller receives an electrical signal from the power source for providing the current flowing through the conductive object detection pattern.

15. (original) The image detector of claim 1, wherein the sensor is a thin film transistor optical sensor.

16. (currently amended) The image detector of claim 15, wherein the ~~conductive object detection pattern comprises~~ plurality of electrodes includes spaced apart first and second electrodes.

17. (original) The image detector of claim 16, wherein the controller transmits a first electrical signal to the first electrode and receives a second electrical signal from the second electrode and detects a conductivity between the first and second electrodes.

Claims 18-20 (cancelled)